

QY 380 IIRASSEQIRLRTDODSESRWRHRRGGESRGPRNLFNKRPLYSNKYGOAYEVPPEDYR 439
 Db 564 IVRASQEQRLRSLQ-----RATSVRKGSRGRVAPRKLESQPTPVNNYGOMFEACDPEP 618
 QY 440 OLQDMIVSVFTANTTQGSMGMPFFNTRSTKVVVVAASGEADOMACPHLSGRHGGGGK- 498
 Db 619 QLRRDVTAVSVDIQKGMVPHFRSRATWVVFSEGASSEMAGPHLSGRHGGGGK- 498
 QY 499 ---RHEEEEEE---VHYOVRARLUSKREIAVVAAGHPVVFVSSGENILLFARGINAQ 549
 Db 679 ERHWRREEEEEREEDSGRFRVAGRISSEGGLVIFPGHPTAIMSPNENIRLVGGINAE 738
 QY 550 NNHENVLAGRERNVHQIEPOAMELAFAASRKEVELNSQDESIFFPGPROHQOQSPRS 609
 Db 739 NNHRNFLAGRE-NINELDREAKELAFLNVBGKQADEIFRSQRESFTEGP---EGGRR 793
 QY 610 TKQQPLVLSDFVGF 625
 Db 794 STERSPLLSILKLAGY 809

RESULT 2
 S22477
 C;Species: Theobroma cacao (cacao)
 C;Date: 30-Sep-1993 #sequence_revision 30-Sep-1993 #text_change 17-Mar-1999
 C;Accession: S22477; S22478; S18105; S22050
 R;McHenry, L.; Fritz, P.J.
 Plant Mol. Biol. 18, 1173-1176, 1992
 A;Title: Comparison of the structure and nucleotide sequence of vicilin genes of cocoa and coffee
 A;Reference number: S22477; MUD:92288309
 A;Accession: S22477
 A;Molecule type: DNA
 A;Cross-references: EMBL:X62625
 A;Accession: S22478
 A;Molecule type: mRNA
 A;Residues: 1-566 <M2>
 A;Cross-references: EMBL:X62626
 C;Genetics:
 A;introns: 21/1; 269/3; 296/3; 391/3; 502/1
 C;Superfamily: glycinin
 C;Keywords: seed; storage protein
 F;1-24/Domain: signal sequence #status predicted <SIG>
 F;25-566/Product: vicilin #status predicted <MAT>

Query Match 33.4%; Score 1112; DB 2; Length 566;
 Best Local Similarity 40.6%; Pred. No. 6. 6e-63; Mismatches 179; Indels 58; Gaps 13;
 Matches 234; Conservative 106; Mismatches 179; Indels 58; Gaps 13;

QY 68 ICEEEBEYNR---QDQDQOQEYOCRKCORRETERHMHQTCQRCRERRYEKEKRRQKRY 124
 Db 22 LCGSYASAGKQYERDPROYEQOCRCESEATEEREQEQRER-----EV 70
 QY 125 EEQQDEEKEYERIKEGDKNRDPQOREYEDCRICQEQQE---PRQYQCORRCQQQRQH 182
 Db 71 KEQQRQEEEL-----QYQOCQGQOCQGQOCQOCQCORCKWQYKEO 116
 QY 183 GRGGDLMNPORGSSGYYEGERKSDNPYFE RSLSLPRTREIGHISLLENYGRSKL 241
 Db 117 ER-GHENVYHKKRSEEEFGQONNPYFPKRSFQTERDEBEGNFKLQRFENSP 175
 QY 242 LRALHNYRLVLEAQNPAFVLPHTIDADATLVLVGRGALKMTHDRNRESYNSLGDGVIR 301
 Db 176 LKGINDYRLAMEAQNPTILPHCDAEYIFVNGKGTITVHENKESINVQGTVWS 235
 302 IPIAGTFTYLINRDNRERLHIAKELQFISTPGQYKEFPGAGQNPBPYLTSKELAAL 361
 QY 236 VPAGSTVYVVSQDNQEKTLAVLAVNPGKYELEFPAGNNKPPSYYGAFSYEVLETVE 295
 QY 362 NTOERLRLGVGQO-----EGLVIRASQEIRELJRDSESSRRWHRGESSSRGP 413

RESULT 3
 FWCNAB
 A;Cross-references: GB:M16891; NID:9167374; PIDN:AAA3071.1; PID:9167375
 A;Experimental source: Var. Coker 201
 R;Chian, C.A.; Borroto, K.; Kamalay, J.A.; Dure III, L.
 Plant Mol. Biol. 9, 533-546, 1987
 A;Title: Developmental biochemistry of cottonseed embryogenesis and germination. XIX.
 A;Reference number: S06398
 A;Accession: S06911
 A;Status: not compared with conceptual translation
 A;Molecule type: DNA
 A;Residues: 1-81 <CH2>
 C;Comment: This is a seed storage protein.
 C;Superfamily: glycinin
 C;Keywords: glycoprotein; seed; storage protein
 F;1-25/Domain: signal sequence #status predicted <SIG>
 F;26-588/Product: alpha-globulin storage proprotein #status predicted <MAT>
 F;417/Binding site: carbohydrate (Asn) (covalent) #status predicted <MAT>

Query Match 32.3%; Score 1074.5; DB 1; Length 588;
 Best Local Similarity 38.2%; Pred. No. 1.6e-60; Mismatches 181; Indels 75; Gaps 13;
 Matches 229; Conservative 115; Mismatches 181; Indels 75; Gaps 13;

QY 35 EDPQTCQQCQQRRCQESDPRQQYQCQRCKEICEEEERYNRQ---DQDQYQECOKRC 92
 Db 35 DDPPKRYEDCRRCEWDRDQKEDQCEESCKSQYGEKQDQHRRPEDQYBECQBC 94
 QY 93 QRETRPRHMQCQCRERRYEKEKRRQKRYEQQREDEEYEEKMKEDKNDKQDQRE 152
 Db 95 --RQQRERQRQQCQRCLKEFQQEQQ-----SQRQ 123
 QY 153 YEDCRHMCEDP---PRQYQCORRCQQQRQGRGGDLMNP-----GGSGRYEEGE 204
 Db 124 PQQCQCHQCHQCORPERQKQVCRECERYQE-----NPWRREEREEETEGEO 175
 QY 205 KQSDQPYFBRSLSTRFREEGHSYLENFGSKLRLAKNVRVLLEANPNAFLPT 264
 Db 176 EQSHNPFHFRSFSRFSRERHNGFRVLRQFASRHPILRGINEFRSLILEANPNTVFLP 235
 QY 265 HLDADAILLYIGGRGALKMTHDRNRESYNSLGDGVIRPAGTTFYLINRDNRERLHIAKF 324

Db	236	HCDAKIYLVINGRGLTFLTHEKESNVVPGVWVVRVAGSTVYLANDDNKERLIAVL
Qy	325	LQITSTPQQYKEFPAGQONPEPLSTSKEILEAALNTQTERLRVGLG-----QORE
Db	296	HRPVNNPQQEFPAGQONPQQYLSRQLSQTSPR-----EKSGE-RFAFNLLYRPRYNSQNGRFEACPRFQO
Qy	378	GVILQDMSVFTANITQGSMGPFFNTSRVWVASSGEADVEMACPHLSGRGGGG 437
Db	356	GMERKASQEQIRALSQEATSPR-----EKSGE-RFAFNLLYRPRYNSQNGRFEACPRF 409
Qy	438	YRLQDMSVFTANITQGSMGPFFNTSRVWVASSGEADVEMACPHLSGRGGGG 497
Db	410	FRLQDMSVFTANITQGSMGPFFNTSRVWVASSGEADVEMACPHLSGRGGGG 497
Qy	498	KRHEEEEV-----HYEVQARLSKREAIWVLAGHPVVFVSSGENNLILFAFG-----1 546
Db	470	EQQEQEQEERSSGQYRIRQLSRLGDFWVPAFNPVTFVAVONQNRMTGGLYQNNI 529
Qy	547	NQONHNEFLAGBRNVQIPEQAMELAFAAARKVEDELNSQDESIFPPGPQHQIQQO 606
Db	530	NPDHNQRIFFVAGKINHV-ROWDSQAKELAFGVSSRLVDEIFNNNPOESYFVS-RQRORAS 587
RESULT	4	
Qy	503	alpha-globulin type A precursor - upland cotton
N	Alternate names: seed storage protein	
C	Species: <i>Gossypium hirsutum</i> (upland cotton)	
C	Date: 31-Mar-1990 #sequence_revision 31-Mar-1990 #text_change 30-Sep-1993	
C	Accession: S06398	
R	Chan, C.A.; Borroto, K.; Kamalay, J.A.; Dure III, L.	
P	Plant Mol. Biol. 9, 533-546, 1987	
A	Title: Developmental biochemistry of cottonseed embryogenesis and germination. XIX. Se	
A	Accession number: S06398	
A	Status: not compared with conceptual translation	
A	Molecule type: DNA	
C	Residues: 1-605 <CHL>	
C	Superfamily: glycinin	
F	1-24/Domain: signal sequence #status predicted <SIG>	
F	25-605/Product: alpha-globulin type A #status predicted <MAT>	
Query Match	32.0%	Score 1063.5; DB 2; Length 605;
Best Local Similarity	38.0%	Pred. No. 8.2e-60;
Matches	232;	Conservative 121; Mismatches 195; Indels 63; Gaps 16;
Qy	33	NOEDPQTBCQOCQRRCRQEQESPRQQYQCCRQROCKEIEEEVNRQRODQQYEQCOKRC 92
Db	33	SDDPQDQYEDCRKRCQLETRQDQEDRSETQLIKEEQQRDGE-DPQRYYQDCRCHC 91
Qy	93	QRETEPPE-HMQICQQRERRKEKEKKRQKQYEEQDDEEYERMKEGDNKRDPOQR 151
Db	92	QDEERRLPHP---CEOSCREQEK-----QQQOQPD-----K 120
Qy	152	EYEDCRRHCEEQE--PRLQYQCORRQEQQRHGRGGLMNPQR-GGSGRYEEGKOSD 208
Qy	121	QFKECQORCQWOBORPERKQCVKECQEQYQDWPWKGERRNKWREEEEEESEDEQDQQRN 180
Qy	209	NPYFDERSLSTRFRTEEGHISVLENYGRSKLRAKKNYLVLEANPNTAVLPTHLDA 268
Db	181	NPYFHRHSFQERFREHGRNFRVQLQREADKHLLRGINEFIALEANPNTFVLPHCDA 240
Qy	269	DATLVLVIGGRGALKMHRDNRSYNLFCDGVIRIAPCTTFYJNDRNNEERLAKELQTI 328
Db	241	EKIYVITNGRGTFTVTHEENESYNVPGVVWRIPACTSYVANQDREKLTIAVLRPV 300
Qy	329	STPGQYKEFPAGQONPEPLSTSKEILEAALNTQTERLRVGLG-----QOREGVIT 381
Db	301	NNPQQKFQFPAGQONPQSYLIRFSRLEAVENTRSEQDLPGGQSRHQGQGCMF 360
Qy	382	RASQEQTRELTRDSESRRWHTRGGESSRG-PYNNFNRKPLYSNKYQGQAYEVKPEDY-R 439
RESULT	5	
Qy	500	HEEEEV-----HYEVQARLSKREAIWVLAGHPVVFVSSGENNLILFAFG-----1 551
Db	473	EEEQEQEVEVRRSGQYKRVIAQSLSTGNLFVPGHPTFVASONEDLGGLGFLQNDN 532
Qy	552	HENFLAGRERVLQIPEQAMELAFAAARKVEELNSQDSBISFFPGPROHQQSPRSTK 611
Db	533	KRIFVAGKTNVW-RQWDROKELAFGVESLVLDEVFNNNPOESYFVSGRDRRGFED-RG 590
Qy	612	QQQPLVSLDF 622
Db	591	SNNPLSPFLDF 601
RESULT	5	
Qy	508059	alpha-globulin type B precursor (tandem 1) - upland cotton (fragment)
N	Alternate names: seed storage protein	
C	Species: <i>Gossypium hirsutum</i> (upland cotton)	
C	Date: 31-Mar-1990 #sequence_revision 31-Mar-1990 #text_change 30-Sep-1993	
C	Accession: S08059	
R	Chan, C.A.; Borroto, K.; Kamalay, J.A.; Dure III, L.	
P	Plant Mol. Biol. 9, 533-546, 1987	
A	Title: Developmental biochemistry of cottonseed embryogenesis and germination. XIX. Se	
A	Accession number: S06398	
A	Status: not compared with conceptual translation	
A	Molecule type: DNA	
A	Residues: 1-509 <CHL>	
C	Superfamily: glycinin	
Query Match	30.6%	Score 1018.5; DB 2; Length 509;
Best Local Similarity	39.1%	Pred. No. 4.6e-57;
Matches	217;	Conservative 106; Mismatches 157; Indels 75; Gaps 1
Qy	80	DPQQYEQCOKRCQRETERHMQTCQQRERRYKEKKRQKQYEEQREDEEYER 139
Db	1	DPQRYYECCQEC--RQEEQROPOCQ-CQQRCLKRFQEQOQ-----38
Qy	140	KEGDKRDPQREYEDCRRCQEQD--PRQYQCORRCQEQORHGRGGQLMPORG--- 194
Db	39	-----SQRQEQCQQCQHQKQBRPQKQRCREKRYQE-----NPRGERE 81
Qy	195	--GSGRYEEGEKQSDNPYFEDRSLSLSTRFRTEGHISVLENYGRSKLRAKKNYLV 251
Db	82	EEAEETEEPEGEQEQCSHNPFPFRHRSFSQSFREERGFRNFRQRLQFRFSRHPILRGINFRLS 141
Qy	252	LLEANPNAFLPHTIDADAILVIGGRGALKMTHDNRESYNLEGDDVTRIAPGTFYL 311
Db	142	ILEANPNTFVLPHCDAEKIYLVINGRGLTFLTHEKESNVVPGVWVVPAGSTVYLA 201
Qy	312	NRDNNEERLAKELQTIISTPGQYKEFPAGQONPEPLSTSKEILEAALNTQTERLRVGLG-----QOREGVIT 371
Db	202	NDNEKLTIAVLRPVNPUNPQGQFEEFPAGQSRQSYLRSRELEPNTREBDEL 261
Qy	372	LG-----QOREGVITRASQEQTRELTDSESSRWHTRGGESSRGYPLNFKRPLYS 424
Db	262	FGCRQSRRQQGQCMFRKASQEQIRALSQEATSPR-----EKSGE-RFAFNLLSQTPRY 315
Qy	425	NKYQAYEVKPEDYRQLODMDVSTFIANITQGSMGPFFNTSRVWVASSGEADVEMAC 484
Db	316	NONGRFFEACPFPEFQLRDNVTVSALQLNQGSIVFPHYNKSKATFVILVTEGNGYAEWMS 375
Qy	485	PHLSGRHGGGGKRRHEEEV-----HYEVQARLSKREAIWVLAGHPVVFVSSGN 536
Db	376	PHPSSEEEPEDEEDEOBEERSGQYRIRQLSRSRQDFVPPFVTFVAVONQD 439

Db	499	ERGFPLGPESCGHEEREQQEEERE 524	RESULT 8 S35221 globulin Begl precursor - barley C;Species: Hordeum vulgare (barley) C;Accession: 03-Feb-1994 #sequence_revision 03-Feb-1994 #text_change 21-Jul-2000 C;Accession: S35221 R;Heck, G.R.; Chamberlain, A.K.; Ho, T.H.D. Mol. Gen. Genet. 239, 209-218, 1993 A;Title: Barley embryo globulin 1 gene, Begl: characterization of cDNA, chromosome mapping A;Reference number: S35221; MUID:93287988 A;Molecule type: mRNA A;Accession: S35221 A;Cross-references: EMBL:64372; NID:9167003; PIDN:AAA32936.1; PID:9167004 A;Genetics: 1-637 <HEC> A;Map position: 4 C;Superfamily: glycoprotein C;Keywords: glycoprotein F:174-190/Product: globulin Begl #status predicted <MAT> Query Match 26.0%; Score 864.5; DB 2; Length 637; Best Local Similarity 35.0%; Pred. No. 3.2e-47; Mismatches 221; Conservative 100; MisMatches 219; Indels 91; Gaps 19; QY 29 SKYDNOEDPQ--TECCOCQRCRQPSDPROQYCQCRCKECEEEBYNQRDPQOQE 86 Db 27 ASHDEDDEDRRGHSLQOCVQRCRER-PR--YSHARCVQEC-----RDDQOQH- 71 QY 87 QCQKRCQRCRRETEPRHMQICQCORCERKEKRKQKQYREOQREDEEKKYERMKECDNR 146 Db 72-GRHEQEEDGRGRGWHGEGEREEHGRGRGRGEREEHGRGRGRH 119 QY 147 DPQREYEDCRRHCEQOERLQYQCORRCFQQRHGRG--GDLMPNQPGSGRYEEG 202 Db 120 GEGEREERGRGHGRGE-----REERGRGRGEEREERGRGRGRGEG 170 QY 203 E--EKSDN--PYFQFERSLSTRFRTEEGHGSVLERFYGRSKLLRALKNVLVLEAPN 258 Db 171 ERDEEQGDSRRPYVCPRSRRIQSDHGFVRALRFQDSVRLRGIRDYKVAIMEVNPR 230 QY 259 AFVLPFHLDADILVIGGRGALKMHRDIDRESYNELEGCVWTRIPAGTFYLINRUNNER 318 Db 231 AFVPGFTDAGGVYVAQEGVLTVENGKRSYTVREGDVIAPAGSIMHLANTGRR 290 QY 319 LHIKFLQTSTPGQYKEFPAGGONPEPYLSTFSEILRALNQTERRGVLGQO-- 375 Db 291 LVIAKILHTISVYGR-OFL---SVKPLASLSKRVLRAFKTSDERLERLFNORQO 344 QY 376 --REGVPIASQEQRELTFDSE--SRWHIRRGESGRPKNLFNKRPLYKNGQ 429 Db 345 EKTRSVSIVRASEQUQLRELRAEAGGOGHWRWPLPFRGSDTFLNLLQRPKTANRHR 404 QY 430 AYEVKPEDYQLODMDVSFANTQGSMGPFFENRSTVWVVA-GEAVEMAPHL- 487 Db 405 LYEDARSFHALQDVRVAVANITPGSMAPYLNTOSEKFLAVLVEGEVOLVPHLGR 464 QY 488 --SRHGGKG-----GGKRHEEEHVEQARLSKREAVLWLAG 526 Db 465 ESESEREHKGRRREEDDORQRRGGSSESEEEQEQRYETVARYVRSRGSAVWPPG 524 QY 527 HPPVFRSS--GENNLFLAFGAGNAQNHENPLAGBRNQYQOEAFAASRKEVE 584 Db 525 HPWVEISSLSSQCSNLLQWVCFEINAERNERWLAGR-NNVIGKLGSQAEIJFGRDAREVQ 583 QY 585 ELFNSODEST--FPEPPRHOHQSPRSTKQO 614	RESULT 9 FWSIBA beta-conglycinin alpha chain precursor - soybean C;Species: Glycine max (soybean) C;Accession: S14681; S74124; S06714 R;Sebastiani, F.L.; Farrell, L.B.; Schuler, M.A.; Beachy, R.N. Plant Mol. Biol. 15, 197-201, 1990 A;Title: Complete sequence of a cDNA of alpha subunit of soybean beta-conglycinin. A;Reference number: S14681; MUID:9135560 A;Accession: S14681 A;Molecule type: mRNA A;Residues: 1-605 <SEB> A;Cross-references: EMBL:X17698; NID:918535; PIDN:CAA35691.1; PID:918536 R;Shutov, A.D.; Kakhovskaya, I.A.; Bastrygina, A.S.; Bulmaga, V.P.; Horstmann, C.; Mu Eur. J. Biochem. 241, 221-228, 1996 A;Title: Limited proteolysis of beta-conglycinin and glycinin, the 7S and 11S storage A;Reference number: S74124; MUID:97054613 A;Accession: S74124 A;Molecule type: protein A;Residues: 189-196, 'H', 'N', '200, 'X', 202-203, 397-408, 'X', 410, 'X', 412-417, 'X', 419-4 A;Experimental source: seed C;Superfamily: glycinin C;Keywords: glycinin; seed; storage protein F:1-2-/domain: signal sequence #status predicted <PRO> F:23-62-/domain: propeptide #status predicted <PRO> F:63-605-/domain: beta-conglycinin alpha chain #status predicted <MAT> F:261,517-/Binding site: carbohydrate (Asn) (covalent) #status predicted Query Match 25.8%; Score 859.5; DB 1; Length 605; Best Local Similarity 32.1%; Pred. No. 6.2e-47; Mismatches 203; Conservative 133; MisMatches 197; Indels 99; Gaps 18; QY 31 YDQBDPTEQCQCORQEQEDPQPOQYCQCRCKECEEEBYNQRDPQOQE 77 Db 27 YWERKENPKH--NKCQSC-NSERDSYRNQACHARCNLKVKEECEEEGETPRPRPQOH 83 QY 78 QRPOQOQEQQCRQCR-----RETERHMQICQQRERRY-EKEKQQKQYEEQRE 130 Db 84 ERFPQGEKEEDEDEQRPPIPFPRPQPOPROEHEOREBQEWPRKEEKGRGEKSEEEDED 143 QY 131 DEEYKEERMKEGDNKRNQDQOREYEDCRRHCEQOERLQYQCORRCQEQORQHGRGQDLMN 190 Db 144 EDEEQDER--QFFFPRPHQE---ERNEEDED-----EQORES----- 179 Db 191 POKGSGSYEEGEGKQ---SUNPYYDERSLSTRFETTEEGHISVLENFYGRSKLLR 245 Db 180 -----EESEDSLRRHKNKNPFLFGSNRPFETLKFQNYGRIRVLRNQFLN 230 QY 246 KNVLVLLLEANPNAVLPFLDADILVIGGRGALKMHRDIDRESYNELEGCVWIPAG 305 Db 231 RDYRILFENSKNTLIPNHDADYLTVLNGTFLSLVNNDDDSYQLQSGDALLRPG 290 QY 306 TTYFLYLNFDNNERLHIKFLQTSTPGQYKEFPAGGONPEPYLSTFSEILRALNQ 365 Db 291 TTYVWVFDNNERLRLTIAIPVNPKGPFESFFLSTEAQOSYLGQFSRNILRASYDIFK 350 QY 366 EPLRGVL-----GOQR-EGVILRASQECIRETRDSDSRRHGRGESRCY 414 Db 351 EETINKLFLSRECGQOQSBORLQBSVTEVLSKRAKSSRKTI---SESDKPF 406 QY 415 NLENKRPLYSNKYQGOEVKPEDYRQLQDMDSVFIANITQGSMGPFFNTSTKVVVA 474 Db 407 NLRSRDPPLYSNKLGFKEITPEKNPQLRDLDFLSTVDMNEGALLPHNSKAIVLIVN 466 QY 475 SGEDAVNMACPHLGSRGHGRGGKQRHREEEEHYEQ-----VRARLSKREAVLWAGHP 528 Db 467 EGSDANIELV-----GLKEQQEQOEEQFPELVKRYRAESEQDFVIPAGYP 513
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Query Match	23.3%	Score 775.5;	DB 2;	Length 483;
Best Local Similarity	30.4%	Score 775.5;	DB 2;	Length 483;
Matches	170;	Conservative	112;	Mismatches
Indels	115;	Gaps	12;	
Qy	50	QQESDPRQQQVQCORRKEICEEEEEYENRQRPQQQEQQCKQRQCORRETERHMQTCQRC	109	
Db	28	RKEKDP-----LTTGKDCO-----DMQRQDDEER-----ICMERC	60	
Qy	110	ERRYEKEKKRQKRYEQEQREDEEKYERMRKEDGDNKRDPQOREYEDCRRIHQEQEPRLQY	169	
Db	61	D-YDIKKRQERQKHEEEERQED-----	87	
Qy	170	QCQRQQEQQORHGRGGDLMNPQRGSSGRYEEGEENQSDNYYFDEERSLSTRFRTEEGHI	229	
Db	88	-----ENYVFEEDNDFETKIDTKGRV	109	
Qy	230	SVLENFYGRKLRLKRNLYRVLLEANPNAFLPVLTHLDAAILLYVGRALKMTHDRN	289	
Db	110	LILNKNEKSKLKNENYGLAVLEKTAANALSPHYSYDSEALFLNITKGRGJIGLVAEDRT	169	
Qy	290	ESYNLCEGDDVIRIPAGTYFLINRDNNERLHIAK-----LQ1STPCQYKEFPAGQNP	346	
Db	170	ERFNLEEGDIDMRVPAFPTPMYLVNDRNEKLYTAIFHMPPSSGSAVPNLERPFESAGRKE	229	
Qy	347	PYLSTSKEIIFEAALNTOTERLGVIGQQREGVIRASQEOIRELJTRDDSSRRWHIRRS	406	
Db	230	SVLNTSSKVLQALKSSKGKEIVDEQKGCRIFKLEGRVGLAPKS-----LWPF	283	
Qy	407	GESSRGPNLNFNKRPLYSKQYQAYEVKPDYRQ-LQDMVSYFTANITQGSMMPFENT	465	
Db	284	GGPFKSPFNKNSNNPAFSNPKGSLSFENGPSOERKSGLLEGMLNLTANITQGSMSTHYNT	343	
Qy	466	RSTKVVVVAAGSEADVEMACPHLSGRHGGRRGGKRHEEEEVHQYQARLSKREATWLA	525	
Db	344	NANKIALVIGDGELEMACPHMS-----SSSNRSRKKSIYHNINAKLIRPGVMVWPA	398	
Qy	526	GHFVVFVSSGNENLILFAFGTNAQNHNFLAGRERNVLQJIEPQAMELAFAAKSKEVEE	585	
Db	399	GHPFVNIAFKRNLIVCFEVNAQRNKKLAGK-KNTIVSALDKANKEVAFDIAEKVDE	457	
Qy	586	LFNSQDSEIFFGPGRHQO	605	
Db	458	VPERKEE-FFFYDNEERKE	476	
search completed: March 1, 2001, 15:52:36				
Job time: 560 sec				
Qy	373	--GQREGVYTRASOSEQIRLTRODSESRRWHRRGGESSRGPYQNLNENRPLYSNKYQ	429	
Db	188	KRQSQSEBENIVTKLSRQIEELSKNASTS-----KRSVSBSEPEFLRSRGPIVSNEFGK	243	
Qy	430	AYEVKEDYRQLQMDMSVFSFVANTIQGSMGCPFFWIRSTRKVWVVAEADVEAMCPHLSG	489	
Db	244	FFEITPEKNPQLQDUDIFVNSVKEIKGSLLPHYNNSRAIVVTVNGEKGDFELVQORNEN	303	
Qy	490	RHGGGGKRUHEEEENHYEQV-----RARLSKREAVVLAGHPPVFFSGNENLLF	542	
Db	304	QOEQR-----KEDBEEBQEEBINKQWQNYKAKLSSQDFVIPAGHIVVALKASSNDDL-	358	
Qy	543	AFGINQONNENFLARERNLYLQQTFQAMLAFAASRKEVEELNSQDSEIFFGPROH	602	
Db	359	GFGINANNQNRNFLAGDEDNVISQVRPKELAFPPSAQEVDRLENQKOSHADAQPOQ	418	
Qy	603	QQQSPSTKQ	613	
Db	419	REGRSRETRDR	429	

vicilin precursor (clone PDUB9) - garden pea (fragment)
C;Species: *Phaseolus sativum* (garden pea)
C;Date: 07-sep-1990 #text_revision 07-sep-1990 #text_revision
C;Accession: S00567
R;Watson, M.D.; Lambert, N.; Delaunay, A.; Yarwood, J.N.
Biochem., J., 251, 877-884, 1988

lin precursor (clone pdUB9) - garden pea (fragment)
species: *Pisum sativum* (garden pea)
accession: 07-sep-1999 #seqnprc revision 07-sep-1999

666